Atty Dkt No. HESL 0101 PUSA

S/N: 10/553,132

Reply to Office Action of May 4, 2007

Amendments to the Claims:

Claims 1-12 (Canceled)

13. (New) An optical device comprising a first combination of birefringent

wedges with parallel optic axes for dividing an optical input beam into polarized beams and

combining polarized beams into an output beam, a second combination of birefringent wedges

with parallel optic axes for combining polarized beams into an output beam, and a polarization

changer disposed between said first combination of birefringent wedges and said second

combination of birefringent wedges.

14. (New) The optical device of claim 13, further comprising a third

combination of birefringent wedges with parallel optic axes disposed between said polarization

changer and said second combination of birefringent wedges.

15. (New) The optical device of claim 13, wherein wedges of at least one

combination of birefringent wedges are arranged about at least one reflector or refractor.

16. (New) The optical device of claim 13, wherein wedges of at least one

combination of birefringent wedges are arranged about a polarization changer.

17. (New) The optical device of claim 13, wherein said device is an optical

isolator and at least one polarization changer of said device is a nonreciprocal polarization

changer.

18. (New) The optical device of claim 13, wherein said device is an optical

attenuator and at least one polarization changer of said device is a reciprocal polarization

changer.

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19. (New) The optical device of claim 13, wherein said device is an optical

circulator and at least one polarization changer of said device is a nonreciprocal polarization

changer.

20. (New) The optical device of claim 13, wherein at least one polarization

changer is a reciprocal polarization changer.

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